



**Environmental  
Protection Agency**

John R. Kasich, Governor  
Mary Taylor, Lt. Governor  
Scott J. Nally, Director

July 17, 2012

**RE: South Dayton Dump and Landfill, Moraine, Ohio**

Mr. Mark Durno, Chief  
Emergency Response Section 1  
U.S. EPA Region V  
25089 Center Ridge Road  
Westlake, Ohio 44145

Dear Mr. Durno:

Ohio EPA supports the USEPA Remedial Response Branch's June 5, 2012 request for removal assistance in evaluating current and potential vapor intrusion risks at the South Dayton Dump and Landfill site.

VOCs (primarily TCE) and methane concentrations have been documented above screening levels in sub-slab soil gas, and in several cases confirmed within the buildings located on and adjacent to the South Dayton Landfill. These buildings include 12 commercial/industrial buildings built over the landfill, and at an adjacent commercial/industrial building.

In addition, methane has been detected in the sub-slab of 2 buildings at the landfill. At one occupied building, methane was detected in the sub-slab soil gas above 10% of the LEL, but was not detected in indoor air (based on field data). At another building, used for storage, methane was detected in sub-slab soil gas samples above 100% of the LEL (sample concentration 6.6% methane by volume), but was not detected in indoor air (based on field data). This building is now closed to access.

Due to concerns about the risk to human health from indoor air exposure to VOCs and the risk of explosive conditions from landfill gas, Ohio EPA views this site as a threat to the on-site and surrounding businesses and residences, and supports the Remedial branch's request for assistance from the Removal branch in evaluating options for addressing current and potential vapor intrusion risks at the South Dayton Dump and Landfill site.

Please call me at (937) 285-6452 if you have any questions.

Sincerely,

Laura Marshall  
Site Coordinator, Division of Environmental Response and Revitalization

ec: Tiffani Kavalec, Manager, DERR/ACRE  
Mike Starkey, Manager, SWDO/DERR  
Steven Renninger, US EPA/OSC  
Leslie Patterson, US EPA/RPM